STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
AIR POLLUTION CONTROL PROGRAM
205 JEFFERSON STREET, P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102

EMISSIONS INVENTORY QUESTIONNAIRE (EIQ)

FORM 2.2 INCINERATOR WORKSHEET

SHADED AREAS FOR OFFICE USE ONLY

FACILITY NAME	FIPS COUNTY NO.	PLANT NO.	YEAR OF DATA

[1] EQUIPMENT INFORMATION

POINT NO.	AIRS ID-PT	MAKE/MODEL	SERIAL NUMBER

INCINERATOR USE (CHECK ONE)

☐ GOVERNMENT ☐ COMMERCIAL ☐ INSTITUTIONAL ☐ INDUSTRIAL ☐ OTHER (SPECIFY)

EQUIPMENT TYPE (CHECK ALL THAT APPLY)

☐ PATHOLOGICAL ☐ SEWAGE SLUDGE ☐ MULTIPLE CHAMBERS ☐ CONTROLLED AIR

☐ OTHER (SPECIFY)

NUMBER OF CHAMBERS NOT INCLUDING STACK	SECONDARY CHAMBER TEMPERATURE (DEG F)

MAXIMUM HOURLY DESIGN RATE	UNITS/HR	SCC NO.	SEG. NO	SCC UNITS

[2] WASTE INFORMATION AND THROUGHPUTS

PROCESS WASTE TYPE	HEAT CONTENT (BTU/UNITS)	ANNUAL THROUGHPUT	UNITS
TOTAL ANNUAL THROUGHPUT =			LBS/YR
TOTAL ANNUAL THROUGHPUT (TONS/YR) =			TONS/YR
{TOTAL ANNUAL THROUGHPUT (LBS/YR)} / 2000			

ENTER THE TOTAL ANNUAL THROUGHPUT (TONS/YR) IN BLOCK 4 ON FORM 2.0, EMISSION POINT INFORMATION.

INSTRUCTIONS
FORM 2.2 INCINERATOR WORKSHEET

This form is **REQUIRED** only if a facility has an incinerator at the facility site.

If the SCC Emission Factor is being used, only Block 1 on Form 2.2 needs to be completed for each specific incinerator. If SCC Emission Factors are not being used, completely fill out this document.

Form 2.2 should be used to determine the total Annual Throughput of material burned in this specific incinerator during the year. If different materials are burned in the same incinerator during the year, the total Annual Throughput should be for all materials burned. A separate Form 2.0 should be used to calculate the emissions from each incinerator. The Emission Factor(s) used to calculate the Actual Emissions for this incinerator may come from the SCC Listing or from Form 2.9, Stack Test/Continuous Emission Monitoring Worksheet.

Complete **Facility Name, FIPS County Number, Plant Number and Year of Data.**
See Form 1.0 Instructions, page 1.0-1.

1) EQUIPMENT INFORMATION

Point Number: This is the unique identification number for each specific incinerator. This identification must match the point number entered on Form 1.1, Process Flow Diagram; Form 1.2, Summary of Emission Points and Form 2.0, Emission Point Information.

AIRS ID-Pt and Seg. No: To be completed by the APCP.

Make/Model: Enter make/model number for the type of incinerator associated with this emission point.

Serial Number: Enter the serial number for the incinerator associated with this emission point.

Incinerator Use: Check the appropriate box for the type of industry using the incinerator. These boxes categorize the industries in which incinerators are used according to the SCC descriptions.

Equipment Type: Check the appropriate boxes for the type of operation the incinerator is performing. These boxes use SCC descriptions to categorize industries in which incinerators are used.

Number of Chambers Not Including Stack: Enter the number of chambers for your specific incinerator. The figure provided should include the primary combustion chamber, along with any secondary, tertiary or other chambers.

Secondary Chamber Temperature (Deg F): Enter the temperature of the secondary combustion chamber in degrees Fahrenheit for the gas exiting this chamber.

Maximum Hourly Design Rate: This figure is the manufacturer's design rate or the design rate obtained from a stack test for the Maximum Hourly Capacity of the incinerator. The capacity is measured as the maximum amount of waste that can be loaded (charged) into the incinerator every hour.

Units/Hour: The units for the Maximum Hourly Design Rate are the same as the units for the Annual Throughput, but they should be expressed as Throughput Units per hour.

SCC Number and Units: A SCC number may be found in the SCC Listing. The specific SCC number to use with this emission point is determined by the type of incinerator and how it is being used. The units are determined by the emission method being used at this point.

2) WASTE INFORMATION AND THROUGHPUTS

Process Waste Type: List each different type of material burned in the incinerator during the year.

Heat Content: The Heat Content value is the number of BTU released from burning each unit of waste material. For some common waste materials, the heat content figure and its units may be found in Table I. If more than one type of material is burned during the year, calculate an average heat content value.

Annual Throughput: This figure is the amount of each specific material incinerated in this incinerator during the entire year.

Units: The annual throughput units figure for incinerators is usually expressed in tons per year.

Total Annual Throughput: This figure is the total amount of all materials burned in the incinerator during the year. If the individual Annual Throughput is in pounds/year, make sure to divide the total annual throughput by 2,000 to calculate the figure in tons per year and enter that number in the **Tons/Year** box.

ENTER THE FOLLOWING ON FORM 2.0, EMISSION POINT INFORMATION:

Block 4 - Enter the Total Annual Throughput (Tons/Year);
Maximum Hourly Design Rate figure; and
Corresponding Units in the appropriate boxes.

TABLE I CLASSIFICATION OF WASTES

Waste Classification	Waste Description	BTU/Pound
Type O	A mixture of highly combustible waste, primarily paper, cardboard, wood, boxes and combustible floor sweepings; mixtures may contain up to 10% by volume of plastic bags, coated paper, laminated paper, treated corrugated cardboard, oily rags and plastic rubber scraps. Commercial and industrial sources.	8500
Type 1	A mixture of combustible waste such as paper, cardboard, woodscrap, foliage, floor sweepings and up to 20% cafeteria waste. Commercial and industrial sources.	6500
Type 2	Rubbish and garbage. Residential sources.	4300
Type 3	Animal and vegetation waste from restaurants, cafeterias, hotels, etc. Institutional, club and commercial sources.	2500
Type 4	Human and animal remains consisting of carcasses, organs and solid tissue wastes from farms, laboratories and animal pounds.	1000
Type 5	Medical waste including sharps, pathological, surgical and associated infectious waste materials.	10,000
Type 6	Department store waste.	7800
Type 7	School waste with lunch programs.	8000
Type 8	Supermarket waste.	7200
Type 9	Other wastes not described here or which have variable or unknown BTU content that must be verified.	